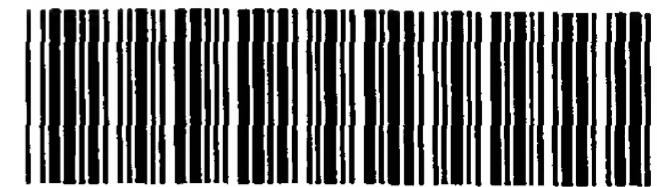


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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,147

DATE: 01/28/2003
TIME: 08:24:39

Input Set : N:\Crf3\RULE60\10014147.raw.txt
Output Set: N:\CRF4\01282003\J014147.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:
5 (i) APPLICANT: Blecha, Frank
6 Shi, Jishu
8 (ii) TITLE OF INVENTION: Synthetic Antimicrobial Peptide
10 (iii) NUMBER OF SEQUENCES: 9
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Hovey, Williams, Timmons & Collins
14 (B) STREET: 2405 Grand Blvd., Ste. 400
15 (C) CITY: Kansas City
16 (D) STATE: Missouri
17 (E) COUNTRY: U.S.A.
18 (F) ZIP: 64108
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
26 (vi) CURRENT APPLICATION DATA:
C--> 27 (A) APPLICATION NUMBER: US/10/014,147
C--> 28 (B) FILING DATE: 07-Dec-2001
W--> 37 (C) CLASSIFICATION: 530
34 (vii) PRIOR APPLICATION DATA:
31 (A) APPLICATION NUMBER: US/08/930,777A
32 (B) FILING DATE: October 8, 1997
35 (A) APPLICATION NUMBER: PCT/US96/04674
36 (B) FILING DATE: April 10, 1996
39 (viii) ATTORNEY/AGENT INFORMATION:
40 (A) NAME: Collins, John M.
41 (B) REGISTRATION NUMBER: 26,262
42 (C) REFERENCE/DOCKET NUMBER: 23625-A
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: (816) 474-9050
46 (B) TELEFAX: (816) 474-9057
49 (2) INFORMATION FOR SEQ ID NO: 1:
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 39 amino acids
53 (B) TYPE: amino acid
54 (D) TOPOLOGY: linear
56 (ii) MOLECULE TYPE: peptide
58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
60 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
61 1 5 10 15

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,147

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Input Set : N:\Crf3\RULE60\10014147.raw.txt
Output Set: N:\CRF4\01282003\J014147.raw

63 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
64 20 25 30
66 Arg Phe Pro Pro Arg Phe Pro
67 35
69 (2) INFORMATION FOR SEQ ID NO: 2:
71 (i) SEQUENCE CHARACTERISTICS:
72 (A) LENGTH: 26 amino acids
73 (B) TYPE: amino acid
74 (D) TOPOLOGY: linear
76 (ii) MOLECULE TYPE: peptide
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
80 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
81 1 5 10 15
83 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile
84 20 25
87 (2) INFORMATION FOR SEQ ID NO: 3:
89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 23 amino acids
91 (B) TYPE: amino acid
92 (D) TOPOLOGY: linear
94 (ii) MOLECULE TYPE: peptide
96 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
98 Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro Phe Phe Pro
99 1 5 10 15
101 Pro Arg Leu Pro Pro Arg Ile
102 20
105 (2) INFORMATION FOR SEQ ID NO: 4:
107 (i) SEQUENCE CHARACTERISTICS:
108 (A) LENGTH: 19 amino acids
109 (B) TYPE: amino acid
110 (D) TOPOLOGY: linear
112 (ii) MOLECULE TYPE: peptide
114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
116 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
117 1 5 10 15
119 Phe Phe Pro
122 (2) INFORMATION FOR SEQ ID NO: 5:
124 (i) SEQUENCE CHARACTERISTICS:
125 (A) LENGTH: 16 amino acids
126 (B) TYPE: amino acid
127 (D) TOPOLOGY: linear
129 (ii) MOLECULE TYPE: peptide
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
133 Arg Pro Arg Pro Pro Pro Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile
134 1 5 10 15
138 (2) INFORMATION FOR SEQ ID NO: 6:
140 (i) SEQUENCE CHARACTERISTICS:
141 (A) LENGTH: 15 amino acids
142 (B) TYPE: amino acid

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,147

DATE: 01/28/2003

TIME: 08:24:39

Input Set : N:\Crf3\RULE60\10014147.raw.txt

Output Set: N:\CRF4\01282003\J014147.raw

143 (D) TOPOLOGY: linear
145 (ii) MOLECULE TYPE: peptide
147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
149 Arg Ile Pro Pro Gly Phe Pro Pro Arg Phe Pro Pro Arg Phe Pro
150 1 5 10 15
153 (2) INFORMATION FOR SEQ ID NO: 7:
155 (i) SEQUENCE CHARACTERISTICS:
156 (A) LENGTH: 14 amino acids
157 (B) TYPE: amino acid
158 (D) TOPOLOGY: linear
160 (ii) MOLECULE TYPE: peptide
162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
164 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro
165 1 5 10
167 (2) INFORMATION FOR SEQ ID NO: 8:
169 (i) SEQUENCE CHARACTERISTICS:
170 (A) LENGTH: 7 amino acids
171 (B) TYPE: amino acid
172 (D) TOPOLOGY: linear
174 (ii) MOLECULE TYPE: peptide
176 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
178 Arg Pro Pro Pro Phe Phe Pro
179 1 5
182 (2) INFORMATION FOR SEQ ID NO: 9:
184 (i) SEQUENCE CHARACTERISTICS:
185 (A) LENGTH: 8 amino acids
186 (B) TYPE: amino acid
187 (D) TOPOLOGY: linear
189 (ii) MOLECULE TYPE: peptide
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
193 Pro Pro Arg Leu Pro Pro Arg Ile
194 1 5

VERIFICATION SUMMARY DATE: 01/28/2003
PATENT APPLICATION: US/10/014,147 TIME: 08:24:40

Input Set : N:\Crf3\RULE60\10014147.raw.txt
Output Set: N:\CRF4\01282003\J014147.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:33 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)
L:37 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)